

# Statistical release

## P3041.2

# Manufacturing: Production and sales (Preliminary)

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## Key figures for March 2012

**Table A – Manufacturing production and sales**

Estimates	March 2012	% change between March 2011 and March 2012	% change between January to March 2011 and January to March 2012
Physical volume of manufacturing production index (base: 2005=100)	107,4	-2,7	1,0
Total estimated sales of manufactured products (R million)	128 535	6,1	10,0

Seasonally adjusted estimates	March 2012	% change between February and March 2012	% change between October to December 2011 and January to March 2012
Physical volume of manufacturing production index (base: 2005=100)	103,5	-4,3	1,9
Total value of sales of manufactured products (R million)	123 724	-2,4	3,1

**Manufacturing production for the first quarter of 2012 reflected an increase of 1,0% compared with the first quarter of 2011. Seven of the ten manufacturing divisions reported positive growth over this period.**

The annual increase of 1,0% in the first quarter of 2012 was mainly due to higher production in the following divisions:

- the basic iron and steel, non-ferrous metal products, metal products and machinery division (2,8% and contributing 0,6 of a percentage point);
- the food and beverages division (3,3% and contributing 0,5 of a percentage point);
- the glass and non-metallic mineral products division (4,5% and contributing 0,2 of a percentage point); and
- the wood and wood products, paper, publishing and printing division (2,1% and contributing 0,2 of a percentage point) (see Table 9).

**Manufacturing production for March 2012 decreased by 2,7% compared with March 2011.**

The 2,7% year-on-year decrease in manufacturing production for March 2012 was mainly due to lower production in the following divisions:

- the motor vehicles, parts and accessories and other transport equipment division (-6,3% and contributing -0,7 of a percentage point);
- the food and beverages division (-3,6% and contributing -0,6 of a percentage point);
- the basic iron and steel, non-ferrous metal products, metal products and machinery division (-2,3% and contributing -0,5 of a percentage point);
- the petroleum, chemical products, rubber and plastic products division (-1,8% and contributing -0,4 of a percentage point); and
- the furniture and other manufacturing division (-7,0% and contributing -0,3 of a percentage point) (see Table 4b).

**Seasonally adjusted manufacturing production for the first quarter of 2012 increased by 1,9% compared with the fourth quarter of 2011. Seven of the ten manufacturing divisions reported positive growth rates over this period.**

The increase was driven mainly by higher production recorded for:

- the petroleum, chemical products, rubber and plastic products division (3,8% and contributing 0,9 of a percentage point);
- the motor vehicles, parts and accessories and other transport equipment division (6,2% and contributing 0,6 of a percentage point);
- the furniture and other manufacturing division (6,1% and contributing 0,3 of a percentage point); and
- the basic iron and steel, non-ferrous metal products, metal products and machinery division (1,6% and contributing 0,3 of a percentage point) (see Table B).

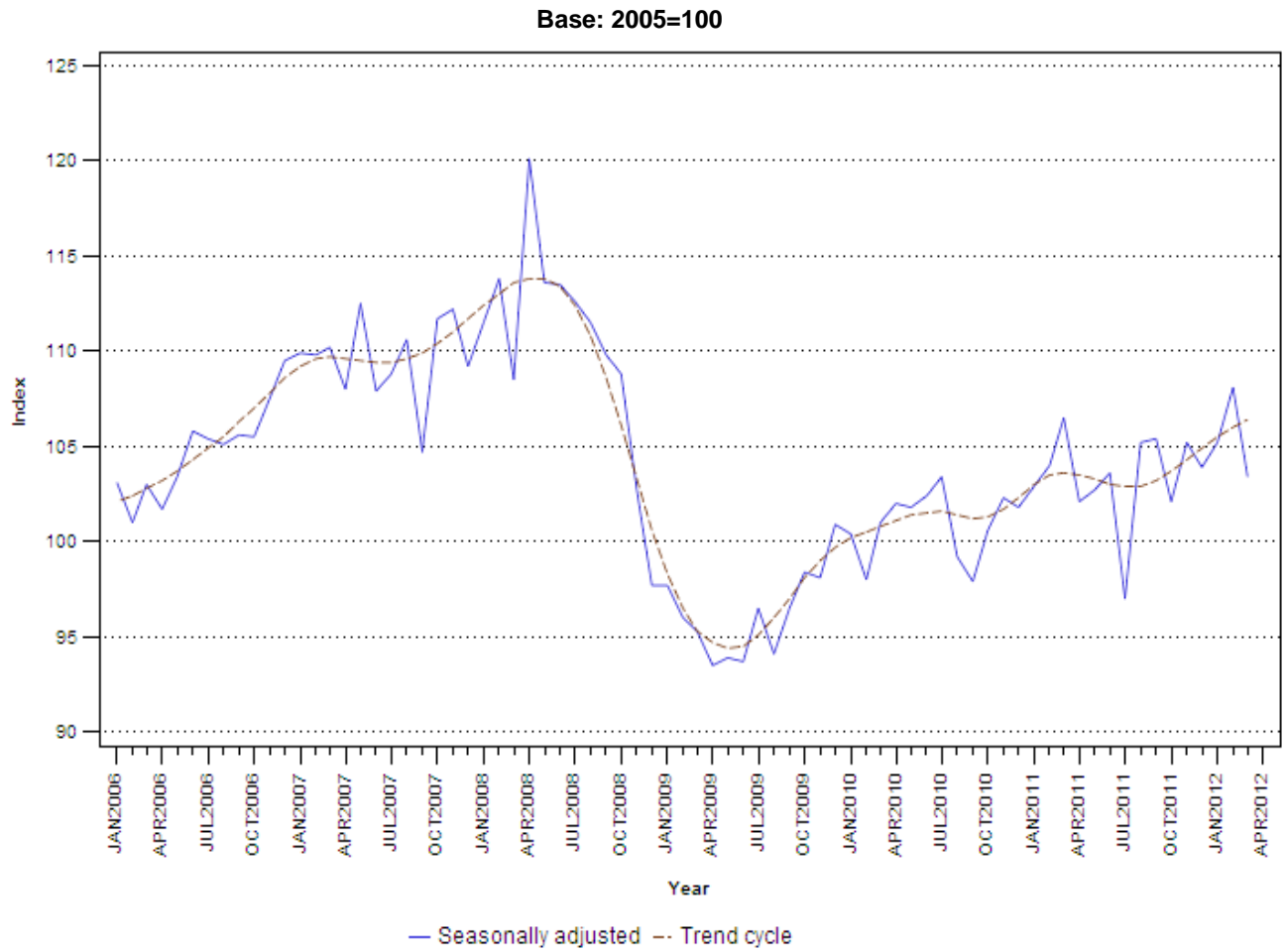
**Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production**

**Base: 2005=100**

Manufacturing divisions and major groups	Weights 2005	Average seasonally adjusted production index for October to December 2011	Average seasonally adjusted production index for January to March 2012	Quarterly % change of January to March 2012 compared with the preceding three months	Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/
<b>Food and beverages</b>	<b>15,4</b>	<b>122,1</b>	<b>121,5</b>	<b>-0,5</b>	<b>-0,1</b>
-Meat, fish, fruit, etc.	1,8	122,3	119,9	-2,0	0,0
-Dairy products	0,8	122,0	123,4	1,1	0,0
-Grain mill products	0,8	112,6	112,2	-0,4	0,0
-Other food products	5,2	115,9	115,0	-0,8	0,0
-Beverages	6,8	128,0	127,9	-0,1	0,0
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>81,2</b>	<b>83,2</b>	<b>2,5</b>	<b>0,1</b>
-Textiles	1,6	67,4	68,7	1,9	0,0
-Wearing apparel	2,3	82,5	82,6	0,1	0,0
-Leather and leather products	0,6	97,1	101,1	4,1	0,0
-Footwear	0,4	102,8	114,7	11,6	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>102,4</b>	<b>100,9</b>	<b>-1,5</b>	<b>-0,1</b>
-Wood and products of wood	2,0	90,8	88,6	-2,4	0,0
-Paper and paper products	3,8	115,4	113,8	-1,4	-0,1
-Publishing and printing	4,3	96,3	95,1	-1,2	0,0
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>112,0</b>	<b>116,2</b>	<b>3,8</b>	<b>0,9</b>
-Coke, petroleum products and nuclear fuel	8,5	78,2	91,8	17,4	1,1
-Basic chemicals	4,5	136,2	138,6	1,8	0,1
-Other chemical products	5,3	127,5	121,4	-4,8	-0,3
-Rubber products	1,0	97,2	100,2	3,1	0,0
-Plastic products	2,7	152,8	150,5	-1,5	-0,1
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>99,1</b>	<b>99,7</b>	<b>0,6</b>	<b>0,0</b>
-Glass and glass products	1,0	112,9	118,6	5,0	0,1
-Non-metallic mineral products	3,8	95,7	94,9	-0,8	0,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>93,9</b>	<b>95,4</b>	<b>1,6</b>	<b>0,3</b>
-Basic iron and steel products	7,7	79,1	82,1	3,8	0,2
-Basic precious, non-ferrous metal products	3,4	108,6	104,2	-4,1	-0,1
-Fabricated metal products	5,7	107,3	112,5	4,8	0,3
-Machinery and equipment	6,1	91,6	90,8	-0,9	0,0
<b>Electrical machinery</b>	<b>2,5</b>	<b>131,0</b>	<b>126,2</b>	<b>-3,7</b>	<b>-0,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>108,1</b>	<b>110,1</b>	<b>1,9</b>	<b>0,0</b>
-Radio, television and communication apparatus	0,4	102,6	115,7	12,8	0,1
-Professional equipment	0,7	111,5	106,6	-4,4	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>97,1</b>	<b>103,1</b>	<b>6,2</b>	<b>0,6</b>
-Motor vehicles	4,9	86,4	98,3	13,8	0,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	132,4	137,6	3,9	0,0
-Parts and accessories	4,7	103,2	104,5	1,3	0,1
-Other transport equipment	0,9	104,9	104,3	-0,6	0,0
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>85,3</b>	<b>90,5</b>	<b>6,1</b>	<b>0,3</b>
-Furniture	1,3	93,1	98,8	6,1	0,1
-Other manufacturing groups	3,9	82,6	87,8	6,3	0,2
<b>Total</b>	<b>100,0</b>	<b>103,7</b>	<b>105,7</b>	<b>1,9</b>	<b>1,9</b>

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2012



**Seasonally adjusted sales of manufactured products (at current prices) for the first quarter of 2012 increased by 3,1% (R11 354 million) compared with the fourth quarter of 2011. Eight of the ten manufacturing divisions reported positive growth rates over this period (see Table C).**

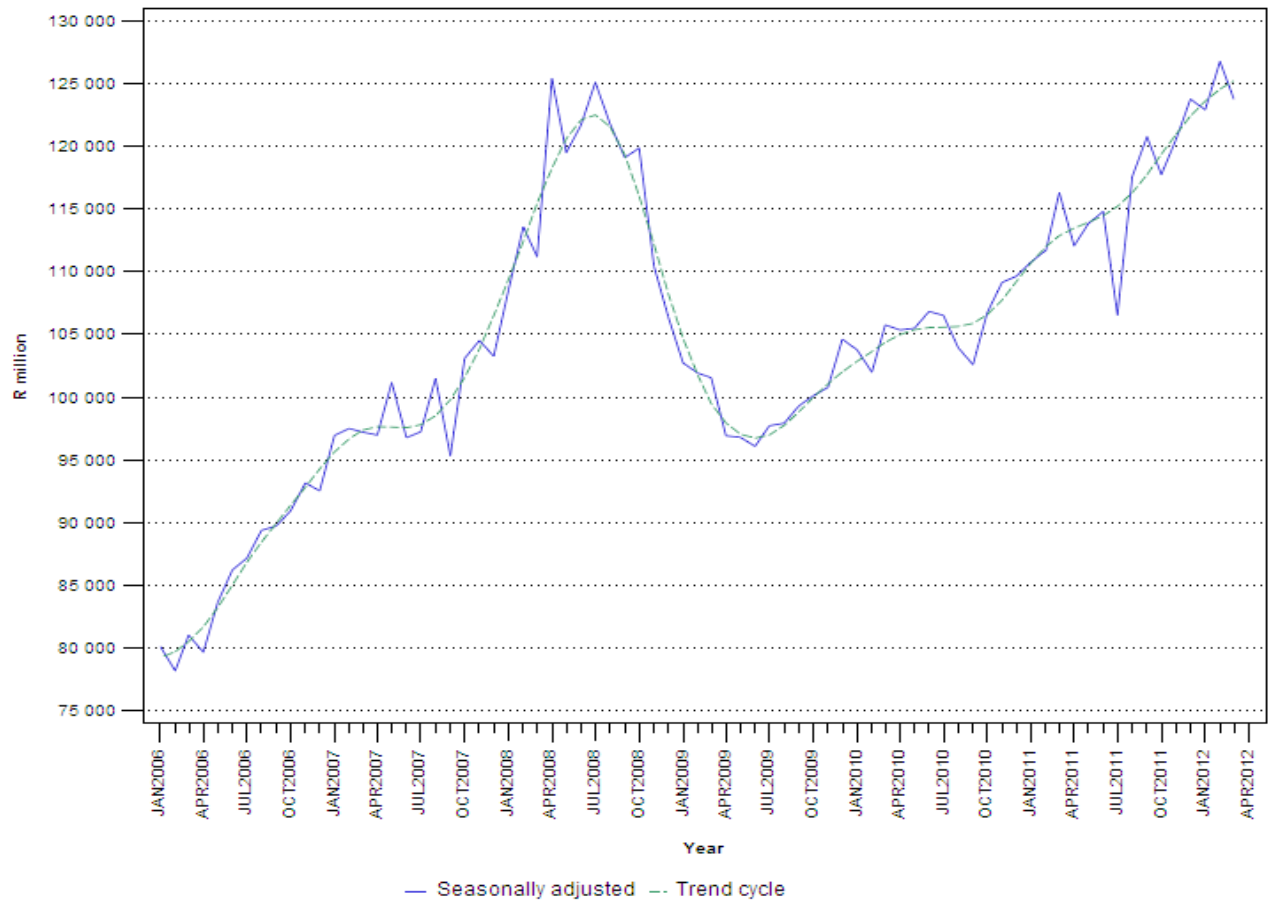
The two manufacturing divisions that were mainly responsible for the increase in total manufacturing sales were:

- the petroleum, chemical products, rubber and plastic products division (10,3% or R8 892 million); and
- the food and beverages division (2,2% or R1 535 million) (see Table C).

**Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices**

Manufacturing divisions and major groups	Seasonally adjusted sales October to December 2011	Seasonally adjusted sales January to March 2012	% change between October to December 2011 and January to March 2012	Difference in seasonally adjusted sales of manufacturing divisions between October to December 2011 and January to March 2012
	R'000	R'000	%	R'000
<b>Food and beverages</b>	<b>71 060 509</b>	<b>72 595 647</b>	<b>2,2</b>	<b>1 535 138</b>
-Food and food products	53 540 103	54 999 827	2,7	1 459 724
-Beverages	17 520 404	17 595 819	0,4	75 415
<b>Textiles, clothing, leather and footwear</b>	<b>9 901 635</b>	<b>10 127 215</b>	<b>2,3</b>	<b>225 580</b>
-Textiles	4 048 508	4 071 756	0,6	23 248
-Wearing apparel	3 800 249	3 869 065	1,8	68 816
-Leather and leather products	1 110 211	1 155 301	4,1	45 090
-Footwear	942 667	1 031 095	9,4	88 428
<b>Wood and wood products, paper, publishing and printing</b>	<b>29 480 051</b>	<b>29 684 772</b>	<b>0,7</b>	<b>204 721</b>
-Wood and products of wood	6 178 677	6 283 462	1,7	104 785
-Paper and paper products	12 875 532	12 916 477	0,3	40 945
-Publishing and printing	10 425 843	10 484 832	0,6	58 989
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>86 379 165</b>	<b>95 270 961</b>	<b>10,3</b>	<b>8 891 796</b>
-Coke, petroleum products and nuclear fuel	33 160 513	43 009 447	29,7	9 848 934
-Basic chemicals	18 455 826	17 706 487	-4,1	-749 339
-Other chemical products	19 161 016	18 830 065	-1,7	-330 951
-Rubber products	3 966 666	3 920 393	-1,2	-46 273
-Plastic products	11 635 145	11 804 569	1,5	169 424
<b>Glass and non-metallic mineral products</b>	<b>10 982 130</b>	<b>11 204 627</b>	<b>2,0</b>	<b>222 497</b>
-Glass and glass products	1 771 483	1 869 015	5,5	97 532
-Non-metallic mineral products	9 210 647	9 335 613	1,4	124 966
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>81 406 544</b>	<b>82 358 558</b>	<b>1,2</b>	<b>952 014</b>
-Basic iron and steel products	26 695 651	26 784 360	0,3	88 709
-Basic precious, non-ferrous metal products	15 714 423	15 490 369	-1,4	-224 054
-Fabricated metal products	19 947 803	21 195 967	6,3	1 248 164
-Machinery and equipment	19 048 667	18 887 859	-0,8	-160 808
<b>Electrical machinery</b>	<b>10 653 938</b>	<b>10 536 539</b>	<b>-1,1</b>	<b>-117 399</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>3 980 286</b>	<b>4 009 325</b>	<b>0,7</b>	<b>29 039</b>
-Radio, television and communication apparatus	1 961 184	2 056 209	4,8	95 025
-Professional equipment	2 019 101	1 953 115	-3,3	-65 986
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>43 174 341</b>	<b>42 579 461</b>	<b>-1,4</b>	<b>-594 880</b>
-Motor vehicles, trailers, parts and accessories	39 376 229	38 738 714	-1,6	-637 515
-Other transport equipment	3 798 113	3 840 746	1,1	42 633
<b>Furniture and other manufacturing division</b>	<b>14 950 456</b>	<b>14 955 710</b>	<b>0,0</b>	<b>5 254</b>
-Furniture	2 960 458	3 086 883	4,3	126 425
-Other manufacturing groups	11 989 998	11 868 825	-1,0	-121 173
<b>Total</b>	<b>361 969 056</b>	<b>373 322 812</b>	<b>3,1</b>	<b>11 353 756</b>

**Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2012**



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## Detailed results

**Table 1 – Total index of the physical volume of manufacturing production: 2006 – 2012**

**Base: 2005=100**

Month	2006	2007	2008	2009	2010	2011	2012
Jan	89,7	95,0	95,9	83,4	85,9	88,0	1/ 90,0
Feb	96,7	104,7	108,5	91,5	93,7	99,7	1/ 103,7
Mar	106,2	113,6	111,9	98,3	104,7	110,4	1/ 107,4
Apr	95,6	101,0	111,9	87,1	94,6	94,7	
May	104,3	113,4	114,3	94,1	101,9	102,8	
Jun	106,7	109,2	115,1	94,9	103,8	104,9	
Jul	107,4	111,2	115,2	98,9	106,0	99,4	
Aug	108,8	114,4	114,9	96,7	101,7	107,7	
Sep	109,7	108,9	114,2	100,7	102,1	110,5	
Oct	117,0	124,1	121,1	109,1	111,8	113,2	
Nov	119,1	124,3	114,3	108,4	113,7	117,1	
Dec	96,6	96,5	87,8	90,2	90,9	93,1	
Year	<b>104,8</b>	<b>109,7</b>	<b>110,4</b>	<b>96,1</b>	<b>100,9</b>	<b>103,5</b>	

1/ Preliminary.

**Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2006 – 2012** 2/

Month	2006	2007	2008	2009	2010	2011	2012
Jan	5,8	5,9	0,9	-13,0	3,0	2,4	2,3
Feb	1,6	8,3	3,6	-15,7	2,4	6,4	4,0
Mar	4,9	7,0	-1,5	-12,2	6,5	5,4	-2,7
Apr	-0,9	5,6	10,8	-22,2	8,6	0,1	
May	3,9	8,7	0,8	-17,7	8,3	0,9	
Jun	6,4	2,3	5,4	-17,5	9,4	1,1	
Jul	6,2	3,5	3,6	-14,1	7,2	-6,2	
Aug	5,1	5,1	0,4	-15,8	5,2	5,9	
Sep	2,0	-0,7	4,9	-11,8	1,4	8,2	
Oct	9,2	6,1	-2,4	-9,9	2,5	1,3	
Nov	7,5	4,4	-8,0	-5,2	4,9	3,0	
Dec	5,7	-0,1	-9,0	2,7	0,8	2,4	
Year	<b>4,8</b>	<b>4,7</b>	<b>0,6</b>	<b>-13,0</b>	<b>5,0</b>	<b>2,6</b>	

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

**Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2006 – 2012**

**Base: 2005=100**

Month	2006	2007	2008	2009	2010	2011	2012
Jan	103,1	109,9	111,5	97,7	100,4	102,9	105,3
Feb	101,0	109,8	113,8	96,0	98,0	104,0	108,2
Mar	103,0	110,2	108,5	95,3	101,0	106,5	103,5
Apr	101,7	108,0	120,1	93,5	102,0	102,1	
May	103,4	112,5	113,6	93,9	101,8	102,7	
Jun	105,8	107,9	113,5	93,7	102,4	103,6	
Jul	105,4	108,8	112,6	96,5	103,4	97,0	
Aug	105,1	110,6	111,5	94,1	99,2	105,2	
Sep	105,6	104,7	109,8	96,5	97,9	105,4	
Oct	105,5	111,7	108,8	98,4	100,6	102,1	
Nov	107,5	112,2	102,7	98,1	102,3	105,2	
Dec	109,5	109,2	97,7	100,9	101,8	103,9	



**Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups**

**Base: 2005=100**

Manufacturing divisions and major groups	Weights 2005	Average for 2011	Actual indices			Seasonally adjusted indices		
			March 2011	1/ February 2012	1/ March 2012	March 2011	February 2012	March 2012
<b>Food and beverages</b>	<b>15,4</b>	<b>119,2</b>	<b>118,0</b>	<b>115,7</b>	<b>113,8</b>	<b>118,4</b>	<b>126,8</b>	<b>113,8</b>
-Meat, fish, fruit, etc.	1,8	120,2	127,7	113,6	131,0	116,6	120,5	119,7
-Dairy products	0,8	118,1	116,7	120,7	119,7	117,8	126,9	120,9
-Grain mill products	0,8	109,3	119,4	101,0	116,5	110,3	111,0	107,5
-Other food products	5,2	115,8	102,8	96,3	93,5	117,3	120,6	107,1
-Beverages	6,8	123,0	127,0	132,3	123,6	120,8	135,2	117,4
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>81,9</b>	<b>88,3</b>	<b>84,2</b>	<b>89,4</b>	<b>83,3</b>	<b>84,9</b>	<b>84,5</b>
-Textiles	0,7	60,5	75,7	71,4	61,6	67,1	64,9	54,5
-Other textile products	0,9	72,7	74,5	74,5	73,6	71,6	70,7	70,8
-Knitted, crocheted articles	0,2	90,2	122,6	88,5	97,5	104,6	83,0	82,6
-Wearing apparel	2,1	83,2	87,1	79,8	93,8	83,2	84,1	89,5
-Leather and leather products	0,6	95,0	102,8	107,4	107,3	97,2	101,6	101,6
-Footwear	0,4	106,2	110,4	111,8	115,6	107,0	127,1	111,5
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>97,7</b>	<b>102,0</b>	<b>96,2</b>	<b>102,1</b>	<b>98,7</b>	<b>99,5</b>	<b>98,9</b>
-Sawmilling and planing of wood	0,7	87,0	94,9	91,9	94,5	87,4	90,7	87,0
-Products of wood	1,3	88,5	90,3	82,6	91,6	87,6	87,5	88,9
-Paper and paper products	3,8	110,9	120,1	107,3	114,7	116,4	114,5	111,1
-Publishing	1,9	87,0	88,2	89,8	85,8	84,3	92,2	82,2
-Printing, recorded media	2,5	93,0	92,4	92,1	102,3	91,1	90,2	101,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>113,0</b>	<b>120,6</b>	<b>111,3</b>	<b>118,4</b>	<b>118,5</b>	<b>117,6</b>	<b>116,4</b>
-Coke, petroleum products and nuclear fuel	8,5	88,7	102,7	86,0	93,5	103,2	94,5	93,8
-Basic chemicals	4,5	131,9	124,9	124,5	132,9	132,2	134,8	140,8
-Other chemical products	5,3	121,6	132,9	122,6	127,9	122,1	124,8	117,3
-Rubber products	1,0	96,7	111,0	108,1	110,0	99,3	101,5	97,9
-Plastic products	2,7	146,9	148,9	148,2	157,1	143,4	153,1	151,1
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>96,6</b>	<b>99,0</b>	<b>94,9</b>	<b>93,8</b>	<b>97,1</b>	<b>104,5</b>	<b>92,2</b>
-Glass and glass products	1,0	116,4	105,0	110,7	108,2	115,6	113,3	119,5
-Non-metallic mineral products	3,8	91,7	97,5	91,0	90,2	92,4	102,3	85,4
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>91,8</b>	<b>101,9</b>	<b>95,2</b>	<b>99,6</b>	<b>95,8</b>	<b>99,3</b>	<b>93,4</b>
-Basic iron and steel products	7,7	78,4	91,0	80,3	81,8	88,4	84,3	79,2
-Non-ferrous metal products	3,4	109,2	112,0	100,5	100,2	107,6	106,9	96,4
-Structural metal products	2,0	89,9	97,8	101,5	107,0	93,6	100,3	101,9
-Other fabricated metal products	3,8	112,0	124,4	125,7	123,1	114,8	128,9	113,6
-General purpose machinery	2,4	72,7	73,2	71,1	83,1	71,8	76,5	81,4
-Special purpose machinery	3,1	95,1	114,1	100,5	119,9	97,2	106,5	101,7
-Household appliances	0,6	101,4	107,5	112,7	115,7	99,6	112,1	107,3
<b>Electrical machinery</b>	<b>2,5</b>	<b>130,0</b>	<b>144,7</b>	<b>127,8</b>	<b>144,6</b>	<b>130,8</b>	<b>127,3</b>	<b>130,9</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>105,9</b>	<b>99,6</b>	<b>114,7</b>	<b>106,5</b>	<b>100,8</b>	<b>112,4</b>	<b>107,7</b>
-Radio, television and communication apparatus	0,4	104,2	93,8	131,4	102,8	96,2	122,8	106,1
-Professional equipment	0,7	107,0	103,3	104,1	108,9	103,7	105,8	108,8
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>103,1</b>	<b>117,2</b>	<b>105,8</b>	<b>109,8</b>	<b>108,0</b>	<b>105,2</b>	<b>101,0</b>
-Motor vehicles	4,9	96,5	114,4	103,5	110,7	103,1	98,3	98,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	134,0	139,1	141,7	126,5	141,1	132,9
-Parts and accessories	4,7	104,7	113,1	106,7	104,4	107,8	109,6	100,0
-Other transport equipment	0,9	117,7	144,1	96,7	115,9	124,9	102,0	101,1
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>92,9</b>	<b>101,1</b>	<b>96,1</b>	<b>94,0</b>	<b>98,7</b>	<b>91,4</b>	<b>91,6</b>
-Furniture	1,3	93,8	88,5	96,5	88,2	96,7	100,7	96,3
-Other manufacturing groups	3,9	92,6	105,4	96,1	95,9	99,4	88,3	90,1
<b>Total</b>	<b>100,0</b>	<b>103,5</b>	<b>110,4</b>	<b>103,7</b>	<b>107,4</b>	<b>106,5</b>	<b>108,2</b>	<b>103,5</b>

1/ Preliminary.

**Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)**

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average for 2011.	Actual indices			Seasonally adjusted indices		
			March 2011	1/ March 2012	% change between March 2011 and March 2012	February 2012	March 2012	% change between February 2012 and March 2012
<b>Food and beverages</b>	<b>15,4</b>	<b>119,2</b>	<b>118,0</b>	<b>113,8</b>	<b>-3,6</b>	<b>126,8</b>	<b>113,8</b>	<b>-10,3</b>
-Meat, fish, fruit, etc.	1,8	120,2	127,7	131,0	2,6	120,5	119,7	-0,7
-Dairy products	0,8	118,1	116,7	119,7	2,6	126,9	120,9	-4,7
-Grain mill products	0,8	109,3	119,4	116,5	-2,4	111,0	107,5	-3,2
-Other food products	5,2	115,8	102,8	93,5	-9,0	120,6	107,1	-11,2
-Beverages	6,8	123,0	127,0	123,6	-2,7	135,2	117,4	-13,2
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>81,9</b>	<b>88,3</b>	<b>89,4</b>	<b>1,2</b>	<b>84,9</b>	<b>84,5</b>	<b>-0,5</b>
-Textiles	0,7	60,5	75,7	61,6	-18,6	64,9	54,5	-16,0
-Other textile products	0,9	72,7	74,5	73,6	-1,2	70,7	70,8	0,1
-Knitted, crocheted articles	0,2	90,2	122,6	97,5	-20,5	83,0	82,6	-0,5
-Wearing apparel	2,1	83,2	87,1	93,8	7,7	84,1	89,5	6,4
-Leather and leather products	0,6	95,0	102,8	107,3	4,4	101,6	101,6	0,0
-Footwear	0,4	106,2	110,4	115,6	4,7	127,1	111,5	-12,3
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>97,7</b>	<b>102,0</b>	<b>102,1</b>	<b>0,1</b>	<b>99,5</b>	<b>98,9</b>	<b>-0,6</b>
-Sawmilling and planing of wood	0,7	87,0	94,9	94,5	-0,4	90,7	87,0	-4,1
-Products of wood	1,3	88,5	90,3	91,6	1,4	87,5	88,9	1,6
-Paper and paper products	3,8	110,9	120,1	114,7	-4,5	114,5	111,1	-3,0
-Publishing	1,9	87,0	88,2	85,8	-2,7	92,2	82,2	-10,8
-Printing, recorded media	2,5	93,0	92,4	102,3	10,7	90,2	101,1	12,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>113,0</b>	<b>120,6</b>	<b>118,4</b>	<b>-1,8</b>	<b>117,6</b>	<b>116,4</b>	<b>-1,0</b>
-Coke, petroleum products and nuclear fuel	8,5	88,7	102,7	93,5	-9,0	94,5	93,8	-0,7
-Basic chemicals	4,5	131,9	124,9	132,9	6,4	134,8	140,8	4,5
-Other chemical products	5,3	121,6	132,9	127,9	-3,8	124,8	117,3	-6,0
-Rubber products	1,0	96,7	111,0	110,0	-0,9	101,5	97,9	-3,5
-Plastic products	2,7	146,9	148,9	157,1	5,5	153,1	151,1	-1,3
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>96,6</b>	<b>99,0</b>	<b>93,8</b>	<b>-5,3</b>	<b>104,5</b>	<b>92,2</b>	<b>-11,8</b>
-Glass and glass products	1,0	116,4	105,0	108,2	3,0	113,3	119,5	5,5
-Non-metallic mineral products	3,8	91,7	97,5	90,2	-7,5	102,3	85,4	-16,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>91,8</b>	<b>101,9</b>	<b>99,6</b>	<b>-2,3</b>	<b>99,3</b>	<b>93,4</b>	<b>-5,9</b>
-Basic iron and steel products	7,7	78,4	91,0	81,8	-10,1	84,3	79,2	-6,0
-Non-ferrous metal products	3,4	109,2	112,0	100,2	-10,5	106,9	96,4	-9,8
-Structural metal products	2,0	89,9	97,8	107,0	9,4	100,3	101,9	1,6
-Other fabricated metal products	3,8	112,0	124,4	123,1	-1,0	128,9	113,6	-11,9
-General purpose machinery	2,4	72,7	73,2	83,1	13,5	76,5	81,4	6,4
-Special purpose machinery	3,1	95,1	114,1	119,9	5,1	106,5	101,7	-4,5
-Household appliances	0,6	101,4	107,5	115,7	7,6	112,1	107,3	-4,3
<b>Electrical machinery</b>	<b>2,5</b>	<b>130,0</b>	<b>144,7</b>	<b>144,6</b>	<b>-0,1</b>	<b>127,3</b>	<b>130,9</b>	<b>2,8</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>105,9</b>	<b>99,6</b>	<b>106,5</b>	<b>6,9</b>	<b>112,4</b>	<b>107,7</b>	<b>-4,2</b>
-Radio, television and communication apparatus	0,4	104,2	93,8	102,8	9,6	122,8	106,1	-13,6
-Professional equipment	0,7	107,0	103,3	108,9	5,4	105,8	108,8	2,8
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>103,1</b>	<b>117,2</b>	<b>109,8</b>	<b>-6,3</b>	<b>105,2</b>	<b>101,0</b>	<b>-4,0</b>
-Motor vehicles	4,9	96,5	114,4	110,7	-3,2	98,3	98,9	0,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	134,0	141,7	5,7	141,1	132,9	-5,8
-Parts and accessories	4,7	104,7	113,1	104,4	-7,7	109,6	100,0	-8,8
-Other transport equipment	0,9	117,7	144,1	115,9	-19,6	102,0	101,1	-0,9
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>92,9</b>	<b>101,1</b>	<b>94,0</b>	<b>-7,0</b>	<b>91,4</b>	<b>91,6</b>	<b>0,2</b>
-Furniture	1,3	93,8	88,5	88,2	-0,3	100,7	96,3	-4,4
-Other manufacturing groups	3,9	92,6	105,4	95,9	-9,0	88,3	90,1	2,0
<b>Total</b>	<b>100,0</b>	<b>103,5</b>	<b>110,4</b>	<b>107,4</b>	<b>-2,7</b>	<b>108,2</b>	<b>103,5</b>	<b>-4,3</b>

1/ Preliminary.

**Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2006 – 2012**

Month	2006	2007	2008	2009	2010	2011	2012
Jan	67 351 678	81 459 988	91 280 084	85 793 294	86 836 064	92 863 625	1/ 103 500 177
Feb	74 930 635	93 134 142	108 137 770	97 350 713	97 825 640	107 158 143	1/ 121 102 877
Mar	83 169 373	100 113 755	114 652 520	105 127 970	110 232 624	121 108 364	1/ 128 535 043
Apr	74 690 973	90 606 196	116 896 823	90 156 553	97 707 572	103 921 168	
May	83 925 122	101 641 507	120 173 410	96 487 420	105 089 142	113 377 474	
Jun	87 683 125	98 764 796	124 811 522	98 161 671	109 279 984	117 502 258	
Jul	88 860 703	99 325 320	128 335 265	99 715 325	108 621 205	108 591 835	
Aug	92 520 358	104 978 175	126 167 640	100 731 886	106 288 802	119 985 649	
Sep	94 724 833	100 538 717	125 588 533	104 781 622	108 523 831	127 892 291	
Oct	99 968 405	113 462 255	131 772 450	109 759 231	116 804 203	128 378 804	
Nov	103 494 740	116 007 502	122 615 454	111 844 877	121 292 114	133 563 590	
Dec	82 554 715	91 954 469	95 903 778	95 002 438	99 664 494	112 428 523	
Year	<b>1 033 874 660</b>	<b>1 191 986 822</b>	<b>1 406 335 249</b>	<b>1 194 913 000</b>	<b>1 268 165 675</b>	<b>1 386 771 724</b>	

1/ Preliminary.

**Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2006 – 2012 2/**

Month	2006	2007	2008	2009	2010	2011	2012
Jan	11,1	20,9	12,1	-6,0	1,2	6,9	11,5
Feb	6,8	24,3	16,1	-10,0	0,5	9,5	13,0
Mar	11,5	20,4	14,5	-8,3	4,9	9,9	6,1
Apr	1,5	21,3	29,0	-22,9	8,4	6,4	
May	10,7	21,1	18,2	-19,7	8,9	7,9	
Jun	13,4	12,6	26,4	-21,4	11,3	7,5	
Jul	15,0	11,8	29,2	-22,3	8,9	0,0	
Aug	16,0	13,5	20,2	-20,2	5,5	12,9	
Sep	14,3	6,1	24,9	-16,6	3,6	17,8	
Oct	20,8	13,5	16,1	-16,7	6,4	9,9	
Nov	19,7	12,1	5,7	-8,8	8,4	10,1	
Dec	12,4	11,4	4,3	-0,9	4,9	12,8	
Year	<b>13,0</b>	<b>15,3</b>	<b>18,0</b>	<b>-15,0</b>	<b>6,1</b>	<b>9,4</b>	

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

**Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2006 – 2012**

Month	2006	2007	2008	2009	2010	2011	2012
Jan	80 139 047	96 953 377	108 531 388	102 723 226	103 761 250	110 779 781	122 871 896
Feb	78 206 036	97 505 563	113 561 963	101 909 484	101 984 092	111 685 941	126 726 800
Mar	81 053 852	97 214 840	111 171 543	101 550 338	105 748 204	116 292 480	123 724 116
Apr	79 691 307	96 980 609	125 365 315	96 920 559	105 347 921	112 045 090	
May	83 643 842	101 160 604	119 465 631	96 807 132	105 477 470	113 816 276	
Jun	86 251 766	96 773 181	121 657 045	96 084 389	106 821 802	114 783 392	
Jul	87 164 111	97 243 592	125 062 447	97 722 460	106 506 074	106 524 814	
Aug	89 395 483	101 501 214	121 748 260	97 922 537	103 938 078	117 551 666	
Sep	89 740 581	95 329 837	119 068 281	99 307 613	102 584 351	120 734 108	
Oct	90 942 191	103 083 956	119 831 642	100 099 006	106 734 949	117 714 111	
Nov	93 172 515	104 511 289	110 430 749	100 783 248	109 132 827	120 529 415	
Dec	92 536 134	103 253 542	106 386 645	104 608 572	109 622 642	123 725 530	

**Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)**

Manufacturing divisions and major groups	Year 2011	Actual values			Seasonally adjusted values		
		March 2011	1/ February 2012	1/ March 2012	March 2011	February 2012	March 2012
<b>Food and beverages</b>	<b>270 534 109</b>	<b>22 112 136</b>	<b>22 809 685</b>	<b>24 031 185</b>	<b>22 027 912</b>	<b>24 164 238</b>	<b>23 948 571</b>
-Meat, fish, fruit, etc.	74 871 928	6 334 922	5 999 305	6 752 261	6 015 264	6 510 197	6 406 955
-Dairy products	23 913 027	1 992 004	2 069 925	2 226 438	1 940 689	2 185 778	2 161 644
-Grain mill products	46 404 334	4 039 395	3 878 952	4 468 204	3 887 202	4 290 867	4 295 970
-Other food products	59 168 379	4 346 041	4 865 312	4 970 427	4 719 208	5 255 753	5 407 212
-Beverages	66 176 441	5 399 774	5 996 191	5 613 855	5 465 548	5 921 642	5 676 790
<b>Textiles, clothing, leather and footwear</b>	<b>39 156 685</b>	<b>3 422 219</b>	<b>3 345 277</b>	<b>3 586 576</b>	<b>3 218 089</b>	<b>3 423 853</b>	<b>3 378 768</b>
-Textiles	4 426 801	437 243	456 542	394 299	386 446	435 603	348 113
-Other textile products	11 406 902	952 324	961 454	991 223	909 361	947 530	949 854
-Knitted, crocheted articles	1 706 878	175 651	145 217	167 392	146 619	141 472	139 153
-Wearing apparel	13 551 246	1 155 958	1 087 687	1 267 130	1 103 608	1 167 356	1 208 052
-Leather and leather products	4 274 369	391 131	392 019	422 870	358 483	383 927	387 360
-Footwear	3 790 489	309 912	302 358	343 662	313 572	347 966	346 236
<b>Wood and wood products, paper, publishing and printing</b>	<b>111 053 790</b>	<b>9 557 895</b>	<b>9 402 978</b>	<b>10 229 436</b>	<b>9 204 994</b>	<b>9 756 392</b>	<b>9 850 868</b>
-Sawmilling and planing of wood	8 330 875	726 338	728 283	794 060	690 584	741 831	751 477
-Products of wood	15 601 183	1 333 629	1 266 307	1 398 301	1 309 277	1 338 727	1 368 243
-Paper and paper products	48 575 169	4 360 011	4 078 843	4 463 136	4 162 752	4 359 346	4 262 091
-Publishing	17 005 356	1 405 791	1 503 366	1 469 612	1 353 582	1 510 509	1 414 758
-Printing, recorded media	21 541 207	1 732 126	1 826 179	2 104 327	1 688 800	1 805 979	2 054 298
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>327 052 200</b>	<b>28 078 466</b>	<b>29 583 579</b>	<b>31 988 839</b>	<b>28 036 220</b>	<b>32 480 126</b>	<b>32 075 407</b>
-Coke, petroleum products and nuclear fuel	125 525 877	10 672 898	12 808 218	13 600 378	11 501 007	14 894 624	14 631 402
-Basic chemicals	68 965 227	5 727 227	5 454 058	6 149 957	5 576 515	5 888 222	5 974 325
-Other chemical products	73 150 065	6 545 392	6 106 076	6 629 402	6 146 570	6 355 982	6 222 964
-Rubber products	14 593 850	1 343 265	1 394 032	1 482 260	1 154 249	1 332 151	1 273 080
-Plastic products	44 817 181	3 789 684	3 821 195	4 126 842	3 657 879	4 009 147	3 973 635
<b>Glass and non-metallic mineral products</b>	<b>42 523 531</b>	<b>3 678 314</b>	<b>3 587 785</b>	<b>3 833 636</b>	<b>3 528 240</b>	<b>3 764 378</b>	<b>3 685 981</b>
-Glass and glass products	7 094 686	506 163	588 968	577 240	560 279	613 363	642 556
-Non-metallic mineral products	35 428 845	3 172 151	2 998 817	3 256 396	2 967 961	3 151 015	3 043 426
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>306 476 014</b>	<b>28 069 500</b>	<b>27 427 330</b>	<b>28 695 964</b>	<b>26 345 042</b>	<b>28 648 436</b>	<b>26 801 114</b>
-Basic iron and steel products	97 801 939	9 304 967	9 091 955	8 862 936	9 048 087	9 489 001	8 552 196
-Non-ferrous metal products	61 809 327	5 528 249	5 060 999	5 089 395	5 250 040	5 393 858	4 834 637
-Structural metal products	27 396 728	2 500 057	2 690 735	2 898 094	2 329 488	2 710 183	2 694 670
-Other fabricated metal products	47 606 035	4 154 138	4 520 762	4 517 368	3 854 596	4 684 020	4 184 677
-General purpose machinery	29 673 250	2 424 547	2 396 526	2 865 032	2 379 370	2 593 116	2 809 263
-Special purpose machinery	33 013 046	3 346 492	2 848 811	3 529 447	2 743 840	2 958 249	2 876 658
-Household appliances	9 175 689	811 050	817 542	933 692	739 621	820 008	849 011
-Electrical machinery	41 523 810	3 838 580	3 651 351	3 949 386	3 527 853	3 577 048	3 630 623
<b>Radio, television and communication apparatus and professional equipment</b>	<b>15 336 222</b>	<b>1 146 581</b>	<b>1 423 839</b>	<b>1 334 276</b>	<b>1 109 290</b>	<b>1 391 584</b>	<b>1 292 779</b>
-Radio, television and communication apparatus	7 676 027	503 321	767 594	644 428	496 273	734 050	636 945
-Professional equipment	7 660 195	643 260	656 245	689 848	613 017	657 533	655 834
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>173 977 223</b>	<b>16 464 047</b>	<b>14 732 423</b>	<b>15 806 053</b>	<b>14 418 826</b>	<b>14 553 820</b>	<b>13 863 709</b>
-Motor vehicles	86 281 272	8 213 247	7 412 194	7 948 684	6 976 951	7 211 491	6 753 441
-Bodies for motor vehicles, trailers and semi-trailers	8 299 507	776 843	730 718	736 554	756 495	755 398	714 873
-Parts and accessories	62 802 464	5 802 798	5 408 556	5 702 518	5 226 810	5 333 546	5 151 946
-Other transport equipment	16 593 980	1 671 159	1 180 955	1 418 297	1 458 570	1 253 384	1 243 449
<b>Furniture and other manufacturing division</b>	<b>59 138 140</b>	<b>4 740 626</b>	<b>5 138 630</b>	<b>5 079 692</b>	<b>4 876 015</b>	<b>4 966 927</b>	<b>5 196 296</b>
-Furniture	11 613 033	894 398	971 755	949 475	972 362	1 033 940	1 029 287
-Other manufacturing groups	47 525 107	3 846 228	4 166 875	4 130 217	3 903 653	3 932 986	4 167 008
<b>Total</b>	<b>1 386 771 724</b>	<b>121 108 364</b>	<b>121 102 877</b>	<b>128 535 043</b>	<b>116 292 480</b>	<b>126 726 800</b>	<b>123 724 116</b>

1/ Preliminary.

**Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)**

Manufacturing divisions and major groups	Year 2011	Actual values			Seasonally adjusted values		
		March 2011	1/ March 2012	% change between March 2011 and March 2012	February 2012	March 2012	% change between February 2012 and March 2012
<b>Food and beverages</b>	<b>270 534 109</b>	<b>22 112 136</b>	<b>24 031 185</b>	<b>8,7</b>	<b>24 164 238</b>	<b>23 948 571</b>	<b>-0,9</b>
-Meat, fish, fruit, etc.	74 871 928	6 334 922	6 752 261	6,6	6 510 197	6 406 955	-1,6
-Dairy products	23 913 027	1 992 004	2 226 438	11,8	2 185 778	2 161 644	-1,1
-Grain mill products	46 404 334	4 039 395	4 468 204	10,6	4 290 867	4 295 970	0,1
-Other food products	59 168 379	4 346 041	4 970 427	14,4	5 255 753	5 407 212	2,9
-Beverages	66 176 441	5 399 774	5 613 855	4,0	5 921 642	5 676 790	-4,1
<b>Textiles, clothing, leather and footwear</b>	<b>39 156 685</b>	<b>3 422 219</b>	<b>3 586 576</b>	<b>4,8</b>	<b>3 423 853</b>	<b>3 378 768</b>	<b>-1,3</b>
-Textiles	4 426 801	437 243	394 299	-9,8	435 603	348 113	-20,1
-Other textile products	11 406 902	952 324	991 223	4,1	947 530	949 854	0,2
-Knitted, crocheted articles	1 706 878	175 651	167 392	-4,7	141 472	139 153	-1,6
-Wearing apparel	13 551 246	1 155 958	1 267 130	9,6	1 167 356	1 208 052	3,5
-Leather and leather products	4 274 369	391 131	422 870	8,1	383 927	387 360	0,9
-Footwear	3 790 489	309 912	343 662	10,9	347 966	346 236	-0,5
<b>Wood and wood products, paper, publishing and printing</b>	<b>111 053 790</b>	<b>9 557 895</b>	<b>10 229 436</b>	<b>7,0</b>	<b>9 756 392</b>	<b>9 850 868</b>	<b>1,0</b>
-Sawmilling and planing of wood	8 330 875	726 338	794 060	9,3	741 831	751 477	1,3
-Products of wood	15 601 183	1 333 629	1 398 301	4,8	1 338 727	1 368 243	2,2
-Paper and paper products	48 575 169	4 360 011	4 463 136	2,4	4 359 346	4 262 091	-2,2
-Publishing	17 005 356	1 405 791	1 469 612	4,5	1 510 509	1 414 758	-6,3
-Printing, recorded media	21 541 207	1 732 126	2 104 327	21,5	1 805 979	2 054 298	13,7
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>327 052 200</b>	<b>28 078 466</b>	<b>31 988 839</b>	<b>13,9</b>	<b>32 480 126</b>	<b>32 075 407</b>	<b>-1,2</b>
-Coke, petroleum products and nuclear fuel	125 525 877	10 672 898	13 600 378	27,4	14 894 624	14 631 402	-1,8
-Basic chemicals	68 965 227	5 727 227	6 149 957	7,4	5 888 222	5 974 325	1,5
-Other chemical products	73 150 065	6 545 392	6 629 402	1,3	6 355 982	6 222 964	-2,1
-Rubber products	14 593 850	1 343 265	1 482 260	10,3	1 332 151	1 273 080	-4,4
-Plastic products	44 817 181	3 789 684	4 126 842	8,9	4 009 147	3 973 635	-0,9
<b>Glass and non-metallic mineral products</b>	<b>42 523 531</b>	<b>3 678 314</b>	<b>3 833 636</b>	<b>4,2</b>	<b>3 764 378</b>	<b>3 685 981</b>	<b>-2,1</b>
-Glass and glass products	7 094 686	506 163	577 240	14,0	613 363	642 556	4,8
-Non-metallic mineral products	35 428 845	3 172 151	3 256 396	2,7	3 151 015	3 043 426	-3,4
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>306 476 014</b>	<b>28 069 500</b>	<b>28 695 964</b>	<b>2,2</b>	<b>28 648 436</b>	<b>26 801 114</b>	<b>-6,4</b>
-Basic iron and steel products	97 801 939	9 304 967	8 862 936	-4,8	9 489 001	8 552 196	-9,9
-Non-ferrous metal products	61 809 327	5 528 249	5 089 395	-7,9	5 393 858	4 834 637	-10,4
-Structural metal products	27 396 728	2 500 057	2 898 094	15,9	2 710 183	2 694 670	-0,6
-Other fabricated metal products	47 606 035	4 154 138	4 517 368	8,7	4 684 020	4 184 677	-10,7
-General purpose machinery	29 673 250	2 424 547	2 865 032	18,2	2 593 116	2 809 263	8,3
-Special purpose machinery	33 013 046	3 346 492	3 529 447	5,5	2 958 249	2 876 658	-2,8
-Household appliances	9 175 689	811 050	933 692	15,1	820 008	849 011	3,5
<b>Electrical machinery</b>	<b>41 523 810</b>	<b>3 838 580</b>	<b>3 949 386</b>	<b>2,9</b>	<b>3 577 048</b>	<b>3 630 623</b>	<b>1,5</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>15 336 222</b>	<b>1 146 581</b>	<b>1 334 276</b>	<b>16,4</b>	<b>1 391 584</b>	<b>1 292 779</b>	<b>-7,1</b>
-Radio, television and communication apparatus	7 676 027	503 321	644 428	28,0	734 050	636 945	-13,2
-Professional equipment	7 660 195	643 260	689 848	7,2	657 533	655 834	-0,3
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>173 977 223</b>	<b>16 464 047</b>	<b>15 806 053</b>	<b>-4,0</b>	<b>14 553 820</b>	<b>13 863 709</b>	<b>-4,7</b>
-Motor vehicles	86 281 272	8 213 247	7 948 684	-3,2	7 211 491	6 753 441	-6,4
-Bodies for motor vehicles, trailers and semi-trailers	8 299 507	776 843	736 554	-5,2	755 398	714 873	-5,4
-Parts and accessories	62 802 464	5 802 798	5 702 518	-1,7	5 333 546	5 151 946	-3,4
-Other transport equipment	16 593 980	1 671 159	1 418 297	-15,1	1 253 384	1 243 449	-0,8
<b>Furniture and other manufacturing division</b>	<b>59 138 140</b>	<b>4 740 626</b>	<b>5 079 692</b>	<b>7,2</b>	<b>4 966 927</b>	<b>5 196 296</b>	<b>4,6</b>
-Furniture	11 613 033	894 398	949 475	6,2	1 033 940	1 029 287	-0,5
-Other manufacturing groups	47 525 107	3 846 228	4 130 217	7,4	3 932 986	4 167 008	6,0
<b>Total</b>	<b>1 386 771 724</b>	<b>121 108 364</b>	<b>128 535 043</b>	<b>6,1</b>	<b>126 726 800</b>	<b>123 724 116</b>	<b>-2,4</b>

1/ Preliminary.

**Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights 2005	Production indices (base: 2005=100)			Value of sales (R'000)		
		Jan. to Mar. 2011	Jan. to Mar. 2012	% change between Jan. to Mar. 2011 and Jan. to Mar. 2012	Jan. to Mar. 2011	Jan. to Mar. 2012	% change between Jan. to Mar. 2011 and Jan. to Mar. 2012
<b>Food and beverages</b>	<b>15,4</b>	<b>107,6</b>	<b>111,1</b>	<b>3,3</b>	<b>60 302 636</b>	<b>67 891 103</b>	<b>12,6</b>
-Meat, fish, fruit, etc.	1,8	111,9	114,9	2,7	16 711 245	18 083 545	8,2
-Dairy products	0,8	112,7	120,5	6,9	5 594 820	6 361 259	13,7
-Grain mill products	0,8	104,1	108,0	3,7	10 355 208	12 329 354	19,1
-Other food products	5,2	93,1	91,2	-2,0	12 618 230	14 452 599	14,5
-Beverages	6,8	117,4	124,6	6,1	15 023 133	16 664 346	10,9
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>76,0</b>	<b>77,8</b>	<b>2,4</b>	<b>8 829 650</b>	<b>9 342 802</b>	<b>5,8</b>
-Textiles	0,7	62,6	60,2	-3,8	1 105 155	1 139 666	3,1
-Other textile products	0,9	69,4	70,4	1,4	2 572 263	2 706 286	5,2
-Knitted, crocheted articles	0,2	99,2	83,9	-15,4	431 047	418 447	-2,9
-Wearing apparel	2,1	73,2	75,3	2,9	2 920 906	3 077 299	5,4
-Leather and leather products	0,6	94,4	100,2	6,1	1 055 533	1 155 887	9,5
-Footwear	0,4	90,2	98,2	8,9	744 746	845 217	13,5
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>94,5</b>	<b>96,5</b>	<b>2,1</b>	<b>26 061 517</b>	<b>28 236 924</b>	<b>8,3</b>
-Sawmilling and planing of wood	0,7	84,3	88,9	5,5	1 961 099	2 163 560	10,3
-Products of wood	1,3	83,7	82,7	-1,2	3 646 145	3 773 639	3,5
-Paper and paper products	3,8	107,5	108,4	0,8	11 254 697	12 201 699	8,4
-Publishing	1,9	81,8	88,9	8,7	3 952 158	4 476 265	13,3
-Printing, recorded media	2,5	92,3	93,3	1,1	5 247 418	5 621 761	7,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>109,8</b>	<b>110,4</b>	<b>0,5</b>	<b>72 813 766</b>	<b>88 873 088</b>	<b>22,1</b>
-Coke, petroleum products and nuclear fuel	8,5	92,3	87,5	-5,2	26 569 745	39 355 959	48,1
-Basic chemicals	4,5	123,0	128,1	4,1	15 569 639	16 676 352	7,1
-Other chemical products	5,3	115,7	117,3	1,4	17 127 138	17 779 173	3,8
-Rubber products	1,0	97,7	102,4	4,8	3 429 960	3 937 824	14,8
-Plastic products	2,7	135,5	142,9	5,5	10 117 284	11 123 780	9,9
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>86,2</b>	<b>90,1</b>	<b>4,5</b>	<b>9 513 352</b>	<b>10 296 789</b>	<b>8,2</b>
-Glass and glass products	1,0	109,6	109,0	-0,5	1 572 058	1 665 479	5,9
-Non-metallic mineral products	3,8	80,3	85,3	6,2	7 941 294	8 631 310	8,7
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>89,6</b>	<b>92,1</b>	<b>2,8</b>	<b>74 127 059</b>	<b>78 540 555</b>	<b>6,0</b>
-Basic iron and steel products	7,7	80,9	79,8	-1,4	25 228 836	25 663 563	1,7
-Non-ferrous metal products	3,4	104,9	101,6	-3,1	14 933 137	14 615 047	-2,1
-Structural metal products	2,0	88,1	93,9	6,6	6 547 304	7 574 542	15,7
-Other fabricated metal products	3,8	106,9	114,5	7,1	10 869 720	12 448 251	14,5
-General purpose machinery	2,4	65,9	70,0	6,2	6 583 375	7 213 297	9,6
-Special purpose machinery	3,1	90,8	98,1	8,0	7 798 480	8 637 304	10,8
-Household appliances	0,6	96,4	107,6	11,6	2 166 207	2 388 551	10,3
<b>Electrical machinery</b>	<b>2,5</b>	<b>127,9</b>	<b>123,2</b>	<b>-3,7</b>	<b>9 985 456</b>	<b>10 103 744</b>	<b>1,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>93,4</b>	<b>102,7</b>	<b>10,0</b>	<b>3 357 774</b>	<b>3 738 210</b>	<b>11,3</b>
-Radio, television and communication apparatus	0,4	91,8	109,3	19,1	1 647 328	1 892 539	14,9
-Professional equipment	0,7	94,4	98,5	4,3	1 710 446	1 845 671	7,9
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>105,1</b>	<b>101,0</b>	<b>-3,9</b>	<b>41 844 139</b>	<b>41 733 106</b>	<b>-0,3</b>
-Motor vehicles	4,9	100,4	98,7	-1,7	20 230 729	20 135 519	-0,5
-Bodies for motor vehicles, trailers and semi-trailers-	0,5	114,1	124,9	9,5	1 862 020	1 948 293	4,6
-Parts and accessories	4,7	106,2	100,5	-5,4	15 644 652	15 847 634	1,3
-Other transport equipment	0,9	119,4	103,8	-13,1	4 106 738	3 801 660	-7,4
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>92,8</b>	<b>88,0</b>	<b>-5,2</b>	<b>14 294 783</b>	<b>14 381 776</b>	<b>0,6</b>
-Furniture	1,3	82,4	84,3	2,3	2 478 322	2 612 750	5,4
-Other manufacturing groups	3,9	96,3	89,3	-7,3	11 816 461	11 769 026	-0,4
<b>Total</b>	<b>100,0</b>	<b>99,4</b>	<b>100,4</b>	<b>1,0</b>	<b>321 130 132</b>	<b>353 138 097</b>	<b>10,0</b>

## Explanatory notes

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the Business Register (BR), with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
  - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2005. Both estimated and seasonally adjusted figures are presented.
  - 3 In order to improve timeliness, some information for the latest month had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
  - 4 As indicated earlier, Stats SA is continuously updating its BR, based on units registered for value added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the gross domestic product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
    - the manufacturing, processing, making or packing of products;
    - the slaughtering of animals, including poultry; and
    - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales for March 2012 was 88,2%. Improved collection rate for February 2012 was 92,6%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

**Survey methodology and design**

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of 3 029 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-respondents.
- 12 The value of sales of manufactured products is obtained monthly from the sample of 3 029 enterprises, which was drawn in April 2011 from a population then of 51 805 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.
- 13 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 14 More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

**Weighting methodology**

- 15 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.
- 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing or large sample survey of the manufacturing industry. For the period 1998 to 2000, the weights are based on the 1996 Census of Manufacturing. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS) and for the period 2005 to 2011, the weights are based on the 2005 LSS. Weights between census / LSS years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see Table D for the fixed weights which were used for the three periods 1998 to 2000, 2001 to 2004 and 2005 to 2012).

**Seasonal adjustment**

- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.



## Glossary

<b>Enterprise</b>	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.
<b>Index of physical volume of manufacturing production</b>	The index of physical volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The base period is 2005. The production in the base period is set at 100.
<b>Industry</b>	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
<b>Intermediate consumption</b>	Intermediate consumption includes - <ul style="list-style-type: none"><li>• purchases and transfers-in of materials;</li><li>• payments to other establishments for work done;</li><li>• other direct factory costs;</li><li>• rent and leasing paid;</li><li>• head office charges;</li><li>• royalties, copyright, trade names and patent rights paid;</li><li>• advertising;</li><li>• insurance premiums;</li><li>• services; and</li><li>• secretarial and administrative fees.</li></ul>
<b>Output</b>	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none"><li>• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;</li><li>• repairs;</li><li>• installation, erection and assembly;</li><li>• sundry trading revenue;</li><li>• sales of factored goods minus purchases of factored goods;</li><li>• rent and leasing received;</li><li>• royalties received;</li><li>• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;</li><li>• head office charges; and</li><li>• other revenue.</li></ul> Output excludes excise and customs duty paid.
<b>Value added</b>	Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.
<b>Sales</b>	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.
<b>Turnover</b>	Turnover refers to - <ul style="list-style-type: none"><li>• the value of sales and transfers out of all own manufactured products/articles;</li><li>• amounts received for work done; and</li><li>• amounts received for services rendered.</li></ul>

Turnover excludes -

- value added tax (VAT);
- export freight charges; and
- excise duty.

**Weight**

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights need to be calculated from time to time.

**Table D – Weights according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights according to the 1996 Census of Manufacturing	Weights according to the 2001 LSS of the manufacturing industry	Weights according to the 2005 LSS of the manufacturing industry
	1998 – 2000	2001 – 2004	2005 – 2012
<b>Food and beverages</b>	<b>15,3</b>	<b>16,4</b>	<b>15,4</b>
-Meat, fish, fruit, etc.	2,8	2,6	1,8
-Dairy products	1,4	1,1	0,8
-Grain mill products	2,1	1,5	0,8
-Other food products	4,4	6,8	5,2
-Beverages	4,6	4,3	6,8
<b>Textiles, clothing, leather and footwear</b>	<b>7,8</b>	<b>5,4</b>	<b>4,9</b>
-Textiles	1,7	1,2	0,7
-Other textile products	1,2	1,2	0,9
-Knitted, crocheted articles	0,6	0,3	0,2
-Wearing apparel	3,0	2,0	2,1
-Tanning, dressing of leather	0,4	0,3	0,6
-Footwear	0,9	0,4	0,4
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,4</b>	<b>11,0</b>	<b>10,2</b>
-Sawmilling and planing of wood	0,8	0,7	0,7
-Products of wood	1,2	1,0	1,3
-Paper and paper products	5,3	4,8	3,8
-Publishing	1,5	2,4	1,9
-Printing, recorded media	2,6	2,1	2,5
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>19,3</b>	<b>22,5</b>	<b>22,1</b>
-Coke, petroleum products and nuclear fuel	4,2	9,1	8,5
-Basic chemicals	4,5	4,0	4,5
-Other chemical products	6,2	5,4	5,3
-Rubber products	1,4	1,1	1,0
-Plastic products	3,1	3,0	2,7
<b>Glass and non-metallic mineral products</b>	<b>4,5</b>	<b>3,9</b>	<b>4,8</b>
-Glass and glass products	1,0	1,1	1,0
-Non-metallic mineral products	3,5	2,9	3,8
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>23,6</b>	<b>22,4</b>	<b>22,9</b>
-Basic iron and steel products	7,6	5,5	7,7
-Non-ferrous metal products	3,2	4,7	3,4
-Structural metal products	2,4	1,3	2,0
-Other fabricated metal products	4,6	4,2	3,8
-General purpose machinery	2,5	2,4	2,4
-Special purpose machinery	2,9	3,2	3,1
-Household appliances	0,4	1,2	0,6
<b>Electrical machinery</b>	<b>3,4</b>	<b>2,7</b>	<b>2,5</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,5</b>	<b>1,3</b>	<b>1,1</b>
-Radio, television and communication apparatus	1,0	0,7	0,4
-Professional equipment	0,5	0,6	0,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>9,1</b>	<b>8,6</b>	<b>10,9</b>
-Motor vehicles	4,5	4,1	4,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	0,4	0,5
-Parts and accessories	3,0	3,1	4,7
-Other transport equipment	1,0	1,0	0,9
<b>Other manufacturing divisions</b>	<b>4,1</b>	<b>5,8</b>	<b>5,2</b>
-Furniture	1,6	1,6	1,3
-Other manufacturing groups	2,6	4,2	3,9
<b>Total</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>

## General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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